

IN THE CLAIMS

Please cancel claims 1-2 and replace them with the following claims. A copy of all pending claims follows with each claim including a status identifier pursuant to the proposed revisions to 37 CFR 1.121:

Claims 1-2 (Canceled).

3. (New) A method for in vivo determination on tested animals of the efficient concentration of deuterium depleted water for cancer therapy, wherein deuterium depleted water is provided for administering to tested animals before and after tumor grafting with animal grafts, the method comprising:

A) administering deuterium depleted water to Wistar outbred rats by diet, with concentration less than 100 ppm, over a period of 60 days, simultaneously to dieting a control group of animals with water having 150 ppm content of Deuterium (tap water), over the same period of time;

B) determining viability for the tumor cells to be grafted, using tripan blue;

C) grafting of the animals in the experimental group and the control animals in the 60th day, subcutaneous, with 1×10^7 malign tumor cells in 0,5 ml normal saline solution of 256 Walker sarcoma (the solid tumor) and T8 Guérin lymphotropic epithelioma (solid tumor), both of them having cells with a viability over 98%;

D) administering continuously and long-term, by diet, of deuterium depleted water, with concentration less than 100 ppm deuterium, period over which the followings are to be done:

- a. starting with the 4-th post-graft day the tumor nodules measurement and examination is performed on each 2-3 days;
- b. monitoring of animals physiological condition by weekly weighing, monitoring their food and water consumption, notifying the toxic condition occurrence;
- c. after 60 days, when all the animals in control group are dead, preferably between the 160th and 200th day after graft, the effect produced by administering of established concentration of deuterium depleted water is observed on the surviving animals homeostasis from experimental groups, respectively the way how humoral immune system and cellular immune system of these animals has been influenced, by performing of a series of examination on immunological condition of the animals, namely: leucocytes formula test to establish lymphocytes and blastic cells levels; hematopoietic marrow tests to establish the plasmocytes and NK-K cells levels; and

E) determining of efficient concentration of deuterium depleted water for tested surviving animals depending on new homeostasis occurrence, and on the results obtained related to tumoral regression, as well as to cancer curing.

P02250.A01

4. (new) The method according to claim 3, wherein it is determined that the 60 ppm deuterium depleted water as the concentration that is the most efficient for cancer therapy and prophylaxis by continuously and long-term administering of this type of water as a daily diet.